

ABSTRACT OF THE DISCLOSURE

An image sensor comprises an array of pixels for collecting incident light and converting the light into an electrical charge; a color filter array having a plurality of colored filters positioned adjacent to the pixels for selectively
5 transmitting specific spectral bands of light to the pixels; and a plurality of lenses positioned adjacent to individual pixels wherein the lenses positioned adjacent a first color of the colored filters are substantially larger in size than lenses adjacent a second color, such that a greater proportion of the incident light is focused onto the pixel adjacent the first color of the colored filter.